

Easy to Build Wall Mounted Shelf

DIY Wall Mounted Shelf with Crown Moulding

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When I decided to build the [wall mounted desk](#) from a set of previously posted plans, I was going to end up with a blank space above the desk on the wall. I wanted to build something plain and simple while using up part of my hoard of crown moulding scraps. This DIY wall mounted shelf with crown moulding is another really easy and inexpensive build. I used scrap pieces of plywood for the base with the scrap crown moulding, then added a reverse stenciled scroll on the front with cobalt blue glass knobs for hanging things. The shelf is the perfect width for photo frames or other small items.



Make a Wall Mounted Shelf with Crown Moulding

DESIGNS BY STUDIO C

Materials:

- 1-1/4" pocket hole screws
- 1-1/4" brad nails
- Fast-drying adhesive such as [DAP® Rapid Fuse Wood Adhesive](#)
- Wood glue
- [3 large cabinet pulls](#)
- [2 outside mount keyhole hangers with screws](#)
- Stencil or vinyl cutout, optional
- Sandpaper (100, 150, 220 grits)
- Finishing supplies (primer & paint, or stain, sealer)

Tools Needed:

- Miter saw
- [Circular saw](#)

- Drill
- 1/4" drill bit
- [Pocket hole jig](#)
- [Crown Moulding jig](#), optional
- Pneumatic brad nailer with compressor (or [battery operated model](#))
- Sander

Lumber:

- 1 – 1×4 at 6'
- 1 – 2' x 4' sheet of 3/4" plywood
- 1 – 8' piece of crown moulding

Cut List:

- 1 – 3/4" plywood at 12" x 46-1/2" – Shelf Base
- 1 – 1×4 at 54-1/2" – Shelf Top
- Crown moulding is cut to fit

Notes about the project:

I used a [crown moulding jig](#) to cut the crown for the shelf. There are several other ways to cut crown moulding – use the method you're most comfortable with!

Step One

Cut the pieces for the shelf base and top. Mark the center of each piece (along one long edge of each piece). Set the pocket hole jig for 3/4" material and drill pocket holes along one long edge of the base piece. Line up the marks and secure the base to the top using glue and 1-1/4" pocket hole screws.



Step Two

Cut the crown moulding. There are a couple of options for this shelf... If you don't want to mess with cutting the outside corners or angles or basically giving yourself a headache, the crown moulding can be cut straight then secured to the base and top, and the length of the top can be shortened. Since I like to "challenge myself", I cut the crown moulding with angles on each side and added a return so that it wrapped around the sides of the shelf. The only problem is that I cut the returns too short. I left them that way and it still looks fine! I secured the longer piece of crown with 1-1/4" brad nails, then secured the side pieces with the [DAP® Rapid Fuse Wood Adhesive](#) (this stuff is awesome!).





Step Three

I pre-drilled the holes for the knobs then decided to use a swirly design on the front of the shelf base. I painted the base grey, then applied the vinyl swirl and painted everything white. Once the paint was dry, I removed the vinyl.



Step Four

I installed the keyhole hangers on the back of the shelf, then installed the knobs. (See the how-to on painting clear glass knobs [here!](#))

When it came time to install the shelf on the wall, I used [auger anchors](#) in the drywall, then hung the shelf on screws. I added a couple of old (really “old” by the kids’ standards) family photos!



Have any questions about the DIY wall mounted shelf with crown moulding? Leave a comment below!